

Wild. RWCF 37; Ames 21538. Collected 10/07/1993 in Queretaro, Mexico. Latitude 20 deg. 23' N. Longitude 99 deg. 56' W. Elevation 2020 m. Edge of abandoned field 100 m S of rd. 6.1 km E hwy 120 on rd. to Cerro Gordo from San Juan del Rio. Near San Juan del Rio. Soil sandy. Assoc. species Tagetes, Sanvitalia procumbens, Gnaphalium, Tithonia. Population small.

The following were developed by Botanischer Garten, Universitat Leipzig, Linnestrasse 1, Leipzig, Germany. Donated by Myra Manoah, Ministry of Agriculture, The Volcani Center, The Israel Gene Bank for Agricultural Crops, Bet Dagan, Israel. Received 06/27/1994.

PI 596739. *Cuphea viscosissima* Jacq.

Cultivated. Israel Gene Bank #56-356; Ames 22118.

The following were collected by Jardin Botanique de la Ville, 1 Avenue Albert-Premier, Dijon, France. Donated by Myra Manoah, Ministry of Agriculture, The Volcani Center, The Israel Gene Bank for Agricultural Crops, Bet Dagan, Israel. Received 06/27/1994.

PI 596740. *Cuphea viscosissima* Jacq.

Cultivated. Israel Gene Bank #56-269; Ames 22119. Collected in France.

The following were developed by Chao-Chien Jan, USDA, ARS, North Dakota State University, Northern Crop Science Laboratory, Fargo, North Dakota 58105, United States; Gerald Seiler, USDA, ARS, Northern Crop Science Lab., P.O. Box 5677, University Station, Fargo, North Dakota 58105, United States. Received 03/12/1997.

PI 596741. *Helianthus annuus* L.

Breeding. Population. Rf ANN-19. GP-197. Pedigree - cms 89*2 (*Helianthus annuus*)/ANN-19 (*H. annuus*) F2. Plants 86% single-headed, height 93 cm. Flowering (50%) 70 days after planting, self-compatibility (seed set under bags) 40%, viable pollen staining 98%, 100 seed weight 4.6 g, test weight 425 kg/m³, and oil content 454 g/kg. Interspecific hybrid. See pedigree for species.

PI 596742. *Helianthus annuus* L.

Breeding. Population. Rf ANN-48. GP-198. Pedigree - cms HA 89*2 (*Helianthus annuus*)/ANN-48 (*H. annuus*) F2. Plants 93% single-headed, height 82 cm. Flowering (50%) 68 days after planting, self-compatibility (seed set under bags) 65%, viable pollen staining 96%, 100 seed weight 5.3 g, test weight 386 kg/m³, and oil content 489 g/kg. Interspecific hybrid. See pedigree for species.

PI 596743. *Helianthus annuus* L.

Breeding. Population. Rf ANN-783. GP-199. Pedigree - cms HA 89*2 (*Helianthus annuus*)/ANN-783 (*H. annuus*) F2. Plants 76% single-headed, height 82 cm. Flowering (50%) 69 days after planting, self-compatibility (seed set under bags) 71%, viable pollen staining 98%, 100 seed weight 6.5 g, test weight 360 kg/m³, and oil content 428 g/kg. Interspecific hybrid. See pedigree for species.